



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:25-06-2020

Department	CHEMISTRY	Application No.	20200132
Area of Research	CHEMISTRY	Research Mode	PART TIME

Name :JAHFAR NALAKATH
Date of Birth / Age :05-05-1978 / 42 Years
Gender :MALE
Category :OC
e-Mail ID :j.nalakath@cfdubai.ae
Mobile :0506377947



Father's/Husband's Name	MOHAMMED NALAKATH	Father's/Husband's Occupation	BUSINESS-RETIRED
Family Income	12 LKS	Residential Type	URBAN
Birth Place	DUBAI	Mother Tongue	MALAYALAM
Religion	MUSLIM	Martial Status	SINGLE
Aadhaar No.	693614452703	PAN No.	1
Physically Challenged	NO	Type of Disability	-
Address for Communication: NALAKATH-HOUSE PUTHALAM AREACODE-PO MALAPPURAM DISTRICT KERALA INDIA Pin-673639		Permenant Address: NALAKATH-HOUSE PUTHALAM AREACODE MALAPPURAM DISTRICT KERALA INDIA Pin-673639	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
MSC	CHEMISTRY	MADRAS UNIVERSITY	2002	59.7%	SECOND	REGULAR
BSC	CHEMISTRY	CALICUT UNIVERSITY	1999	67%	FIRST	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
CFL-CVRL	CHIEF ANALYST	2019-10-01	2020-06-25	FULL TIME	
EFU-CVRL	CHIEF ANALYST	2018-08-01	2019-09-30	FULL TIME	
EFU-CVRL	DTY TECH MANAGER	2014-03-01	2010-02-28	FULL TIME	
EFU-CVRL	ANALYST	2004-03-01	1970-01-01		

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200132_200705114211	SHMP8964663256	05-07-2020	600	SUCCESS

RESEARCH PROPOSAL

Development of highly sensitive and robust analytical method for detection, isolation and confirmation of drugs of abuse in race Horses / camels.

Introduction

In forensic Anti doping analysis it has become increasingly important to identify and confirm the doping agents to avoid legal arguments and challenges to the analytical findings. The major challenge in anti doping analysis is the difficulty in the efficient extraction and low level detection in matrices/body fluids such as urine /blood. The influx of clandestine drugs coming to the market everyday poses great challenge to the analysis in terms of detection capability and identification as it requires efficient method development for extraction and analysis.

Doping is the illegitimate use of banned substances by athletes to improve performance during sports and in training, The two major reasons that doping is made illegal are the potential harmful effects on athletes and the depth of corruption it can bring to the sports field So, any athlete in veterinary sport adopting any of these substances or methods, during sports will result in disqualification and further legal proceedings.

This research would mainly focus on a novel drug / designer drug which has never been Reported in racing, aims to compare the various extraction procedures(Solid phase or Liquid liquid extraction) and to develop an efficient extraction procedure from the matrices urine and plasma , the metabolite study can be conducted in by administering the drug in horses / camels which are available at the laboratory for that purpose, invitro experiment using homogenized liver cells may also be conducted in the laboratory .

This research would primarily be focused to develop and optimize highly sensitive LCMS method for identifying and confirming the drug using the High resolution accurate mass LCMS MS Systems in the laboratory

Project Overview

Aim

- To develop highly sensitive and robust analytical method for detection and confirmation of drug under study which is not reported in race horses yet.
- Method development involves highly sensitive LCMS Instrument method for analysis with the lowest LOD, and optimizing various extraction protocols for maximum drug recovery from urine and blood.
- Study Pharmacokinetics, metabolism and excretion of Drug under study after single / multiple administration

Number of Animals :

4-6 Horses, these animals are held in controlled environment and fed regularly with hay and grains, have free access to water and are exercised regularly.

Sample collection.

Under the supervision of a veterinary surgeon, Blood samples will be collected on a regular interval after the drug administration.

Urine collection collected as animal disposes as morning and evening samples after the administration.

Storage of samples

All blood samples are centrifuged, plasma separated, stored at -20°C until being processed, while urine samples are stored at -20°C immediately after collection, which are then thawed as required for the experiment

In vitro / in vivo metabolomics:

Administration study will be based on Ethics approval from the scientific board at central veterinary research laboratory and availability of animals (Horses / camels),

Invitro studies will be carried out on homogenised liver cells available in the laboratory

Instrumentation:

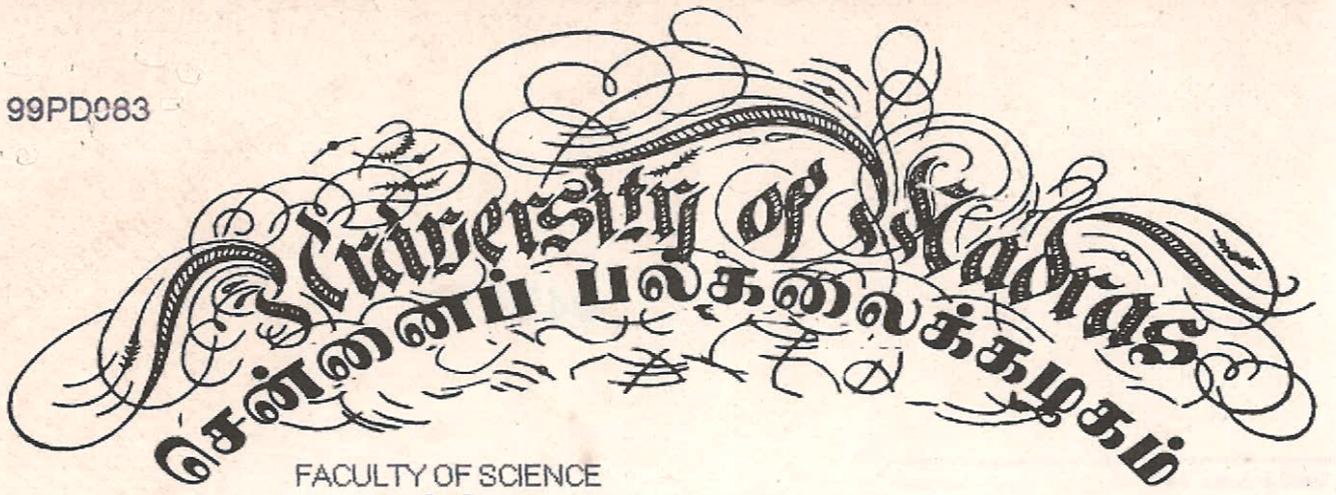
Samples are thawed, pH adjusted, Extracted by LLE /SPE techniques and analyzed by Thermo orbitrap LCMS / waters Xevo QTOF LCMS

Pharmacokinetics / Excretion profile

Study the Absorption, Distribution, and Excretion parameters, C_{max} , T_{max} , $t_{1/2}$, CL and elimination rate.

All samples (blood and urine) will be analyzed until the drug and metabolites are cleared from the system as confirmed by analysis.

99PD083



FACULTY OF SCIENCE
அறிவியல் புலம்

The Senate of the University of Madras hereby makes known that JAHFAR NALAKATH has been admitted to the

DEGREE OF MASTER OF SCIENCE IN CHEMISTRY

he / she having been certified by duly appointed Examiners to be qualified to receive the same and was placed in the

SECOND CLASS

at the Examination held in

NOVEMBER 2002

சென்னைப் பல்கலைக்கழகப் பேரவை, 2002 ஆம் ஆண்டு நவம்பர்

மாதம் நடந்த வேதியியல்

தேர்வில்

ஜாஃபர் நாலகத்

என்பவர்

இரண்டாம் வகுப்பில்

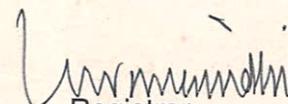
தேர்ச்சி பெற்றார் என்று தக்க

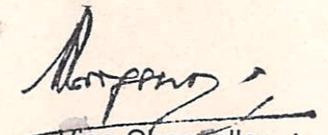
தேர்வாளர்கள் சான்றளித்தபடி, அறிவியல் நிறைஞர்

என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

Given under the seal of the University



S. 
Registrar
பதிவாளர்


Vice-Chancellor
துணைவேந்தர்

Dated :
நாள் : 09-10-2003

Chepauk, Chennai 600 005, Tamilnadu, India

செப்பாக்கம், சென்னை - 600 005, தமிழ்நாடு, இந்தியா

2K-2/

064124

237

The United Arab Emirates
 Ministry of foreign affairs
 Office - SHARJAH

دولة الإمارات العربية المتحدة
 وزارة الخارجية
 مكتب الشارقة

No. : **045421** الرقم:

Date: **27 JAN 2011** التاريخ:

نصادق على صحة توقيع وحتم التوقيع باسمه بدونه الإمارات / مومباي
 We certify Stamp & Sign. of the General Consulate of United Arab Emirates-Mumbai
 دون تحميله المسؤولية تجاه المحتويات
 This Ministry not responsible for the contents

Consulate General of the
 United Arab Emirates
 MUMBAI - INDIA

نصليبة العامة لدولة
 الإمارات العربية المتحدة
 مومباي - الهند

No. **027457** الرقم

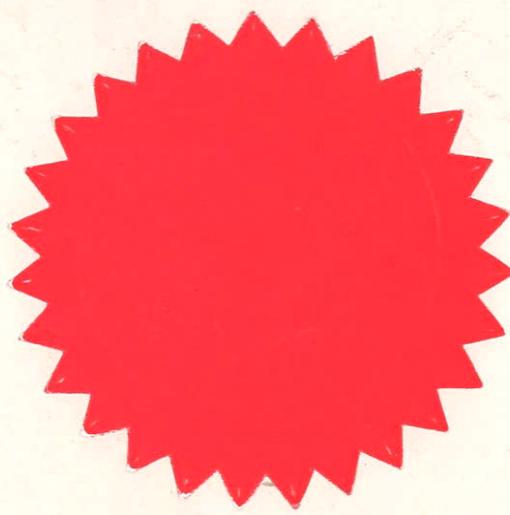
Date **28 JUN 2007** التاريخ

نصادق على صحة ختم وتوقيع حكومة مهاراشترا
 and signature of Home Dept.
 مناه القنصلية غير مسؤولة تجاه المحتويات
 Responsible for the contents

القنصل العام



Processed by	CRPS
Read by	K. Jayashree
Examined by	R A



VERIFIED
 AND
 AUTHENTICATED

V. Rawan 6/6/07
 Under Secretary to Government
 Public (Foreigners) Department
 Government of Tamil Nadu
 Chennai-600 002
 India

Cont. No. 17207/07 dt. 12.4.07
 University of Madras
 E-CERTIFICATE/CONFOL/04/816
 Dt. 4.6.07



FACULTY OF SCIENCE

Whereas it has been certified by duly appointed Examiners that

Jakfar Nalakath

is qualified to receive the Degree of Bachelor of Science, he/she having passed and been placed
 in Third Class in Part I-English,
 in Second Class in Part II-Second Language (Arabic) and
 in First Class in Part III-Optional Subjects Chemistry Main and
Mathematics and Physics Subsidiaries in
April 1997, April 1997 and April 1999 respectively.
 Reg. No. and Year Part I 4954 April 1997
 Reg. No. and Year Part II 4954 April 1997
 Reg. No. and Year Part III 71509 April 1999

The Senate of the University of Calicut hereby confers on him/her the Degree of

Bachelor of Science

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University.



CALICUT UNIVERSITY
673 635

Date 24-7-2000.

[Signature]
VICE-CHANCELLOR

THIS IS TO CERTIFY THAT

Jahfar Nalakath

HAS BEEN AWARDED THE DESIGNATION

CHARTERED CHEMIST

BY THE ROYAL SOCIETY OF CHEMISTRY

AND IS ENTITLED TO USE THE LETTERS CChem

President



Chief Executive



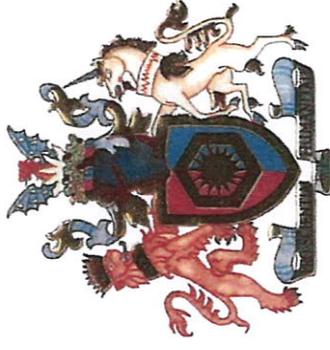
Date of Award

22 March 2019

RSC Membership Number

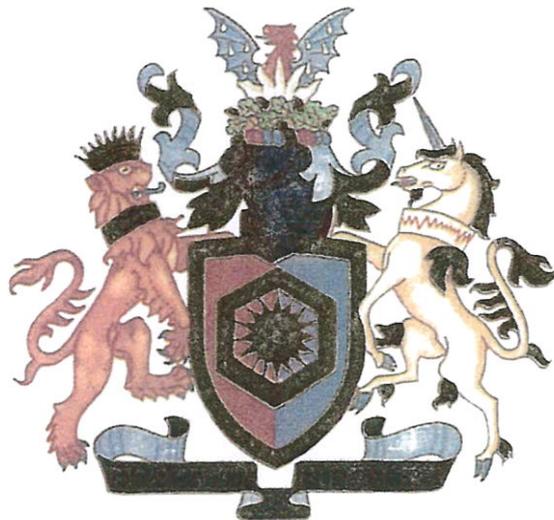
654126

The certificate is issued subject to the provisions of the Charter and By-Laws
Registered charity number 207890



Royal Society of Chemistry
Founded 1841
Incorporated by Royal Charter 1848
Patron Her Majesty the Queen

Founded 1841
Incorporated by Royal Charter 1848
Patron Her Majesty the Queen



THIS IS TO CERTIFY THAT

JAHFAR NALAKATH

HAS BEEN ADMITTED AS A

MEMBER

OF

THE ROYAL SOCIETY OF CHEMISTRY

and is entitled to use the designatory letters **MRSC**

President

A handwritten signature in black ink, appearing to read "Jim Holman".

Chief Executive

A handwritten signature in black ink, appearing to read "Raven Parker".

Date of admission

04 May 2018

Membership Number

654126



UNIVERSITY OF MADRAS

M. SC. DEGREE EXAMINATION [REVISED REGULATIONS]

STATEMENT OF MARKS

2000/ 0398375

NAME OF CANDIDATE JAHFAR NALAKATH [05-05-78]	REGISTER NO./ ENROLMENT NO. 99PD083	CENTRE NO. 1317	SERIAL NO. 00369
BRANCH NAME IV - CHEMISTRY	MONTH & YEAR APR '2000	PUBLICATION CODE AND DATE KSV 05-07-2000	

YR	NAME OF SUBJECT	SUBJECT CODE	MARKS SECURED	MAX MARKS	RESULT
	PART I - THEORY				
1	ORGANIC CHEMISTRY - I	PDA	028	050	PASS
1	INORGANIC CHEMISTRY - I	PDB	029	050	PASS
	PART II - THEORY				
1	ORGANIC CHEMISTRY - II	PDD	028	050	PASS
1	INORGANIC CHEMISTRY - II	PDE	AAA	050	AAA
1	PHYSICAL CHEMISTRY - II	PDF	018	050	FAIL
	PART II - PRACTICALS				
1	ORGANIC CHEMISTRY - I	PD1	037	058	PASS
1	INORGANIC CHEMISTRY - I	PD2	036	058	PASS
1	PHYSICAL CHEMISTRY - I	PD3	056	059	PASS
	* * * END OF STATEMENT * * *				



G. Shanmugam

Passing Minimum 50% Marks
 AAA in the Mark column indicates "ABSENT"
 UNIVERSITY BUILDINGS, CHENNAI - 600 005
 PROF. G. SHANMUGAM
 Controller of Examinations
 Change(s)/Overscript(s) should bear the attestation of the Competent authority of the University with official seal, else the Certificate is invalid



UNIVERSITY OF MADRAS

M. Sc. DEGREE EXAMINATION [REVISED REGULATIONS]

STATEMENT OF MARKS 2K1 0367804

NAME OF CANDIDATE JAHFAR NALAKATH [05-05-78]	REGISTER NO./ ENROLMENT NO. 99PD083	CENTRE NO. 1317	SERIAL NO. 00334
BRANCH NAME IV - CHEMISTRY	MONTH & YEAR APR. 2001	PUBLICATION CODE AND DATE KTK 12-07-2001	

YR	NAME OF SUBJECT	SUBJECT CODE	MARKS SECURED	MAX MARKS	RESULT
	PART II - THEORY				
1	INORGANIC CHEMISTRY - II	PDE	017	050	FAIL
	PART III - THEORY				
2	INORGANIC CHEMISTRY - III	PDH	026	050	PASS
	PART IV - THEORY				
2	ORGANIC CHEMISTRY - IV	PDK	029	050	PASS
2	INORGANIC CHEMISTRY - IV	PDL	026	050	PASS
2	PHYSICAL CHEMISTRY - IV	PDM	021	050	FAIL
	PART IV - PRACTICALS				
2	ORGANIC CHEMISTRY - II	PD4	029	058	PASS
2	INORGANIC CHEMISTRY - II	PD5	040	058	PASS
2	PHYSICAL CHEMISTRY - II	PD6	038	059	PASS
2	COMPREHENSIVE VIVA-VOCE	PD7	034	050	PASS
	* * * END OF STATEMENT * * *				



S. Karunanidhi

Passing Minimum 50% Marks
AAA in the Mark column indicates "ABSENT"

UNIVERSITY BUILDINGS,
CHENNAI - 600 005

PROF. S. KARUNANIDHI
Controller of Examinations

Change(s)/Overscript(s) should bear the attestation of the Competent authority of the University with official seal, else the Certificate is invalid I/C

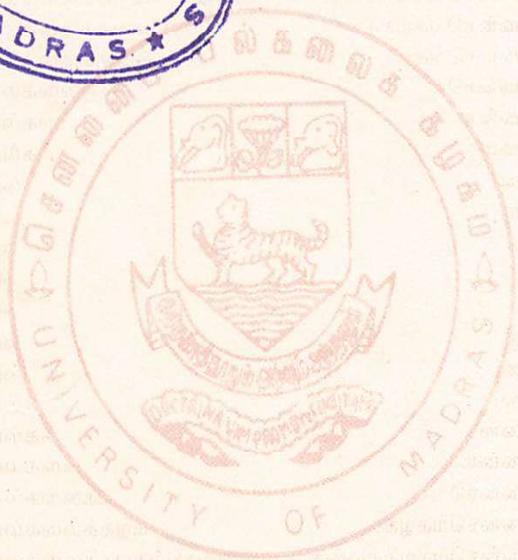


UNIVERSITY OF MADRAS

M. Sc. DEGREE EXAMINATION [REVISED REGULATIONS]
STATEMENT OF MARKS 2K1 0356701

NAME OF CANDIDATE JAHFAR NALAKATH [05-05-78]	REGISTER NO./ ENROLMENT NO. 99PD083	CENTRE NO. 1317	SERIAL NO. 0315
BRANCH NAME IV - CHEMISTRY	MONTH & YEAR APR-2002	PUBLICATION CODE AND DATE JVK 12/06/2002	

NAME OF SUBJECT	SUBJECT CODE	MARKS SECURED	MAX MARKS	RESULT
INORGANIC CHEMISTRY - II	PDE	028	050	PASS
PHYSICAL CHEMISTRY - IV	PDM	AAA	050	AAA
* * * END OF STATEMENT * * *				



S. Karunanidhi



சென்னைப் பல்கலைக்கழகம்
UNIVERSITY OF MADRAS

M. Sc DEGREE EXAMINATION [REVISED REGULATIONS]
STATEMENT OF MARKS

2001/0352269

NAME OF CANDIDATE		REGISTER NO./ ENROLMENT NO.	CENTRE NO.	SERIAL NO.
JAHFAR NALAKATH [05-05-78]		77PD083	1317	0419
BRANCH NAME		MONTH & YEAR	PUBLICATION CODE AND DATE	
IV - CHEMISTRY		NOV-2002	IMK 23-12-2002	
YR	NAME OF SUBJECT	SUBJECT CODE	MARKS SECURED	MAX MARKS RESULT
2	PHYSICAL CHEMISTRY - IV	PDM 025	050	PASS
* * * END OF STATEMENT * * *				



S. Unnamathi

Jahfar Nalakath MSc MAORC CChem
Chief Analyst
Camel Forensic Laboratory | Dubai, U.A.E
+971 4 326606 | 050 454 2928
j.nalakath@cfdubai.ae
Community: Al Marmoom-917, Dubai, U.A.E

TO,

Dr. N. RAJINI
Director (Research and Development)
Kalasalingam Academy of Research and Education
Anand Nagar, Krishnankoil-626126
Tamil Nadu

Sub: Regarding the submission of Transfer certificate for part time PhD-Chemistry

Sir,

This is to inform you that the transfer certificate from the college is not attached with the application, same will be attached during the admission time in person as is requested from the college.

This statement is to meet the online submission requirement in the KARE portal.

Thank you,

Yours truly



Jahfar nalakath



LABORATORY

مختبر أبحاث
الطب
البيطري
المركزي

July 01, 2020

TO WHOMSOEVER IT MAY CONCERNED

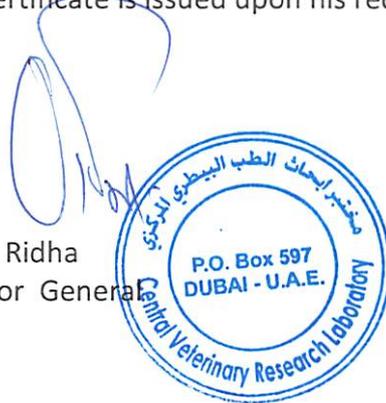
This is to certify that Mr. Jahfar Nalakath is currently working as the Chief Analyst at Camel Forensic Laboratory, Dubai, U A E , w.e.f 01.10.2019.

Camel Forensic laboratory (CFL) is an autonomous unit under Central Veterinary Research Laboratory (CVRL) Dubai, CFL is a NATA accredited ISO/IEC 17025 certified forensic chemistry laboratory engaged in the analysis of samples exclusively for the detection and identification of prohibited substances in racing camels. CFL is the official racing laboratory of Dubai Camel Racing Club, UAE.

Prior to this Mr. Nalakath was associated at various roles in the analytical department of Equine Forensic Unit of Central Veterinary Research Laboratory since joining the organisation in 01.03.2004 .

This certificate is issued upon his request and bears no responsibility.

Dr. Ali Ridha
Director General



CENTRAL
VETERINARY
RESEARCH
LABORATORY

ص.ب: ٥٩٧، دبي
الإمارات العربية المتحدة
هاتف: ٣٣٧٥١٦٥
فاكس: ٣٣٦٨٦٣٨

P. O. BOX 597, DUBAI
UNITED ARAB EMIRATES
TELEPHONE: 9714 3375165
TELEFAX : 9714 3368638
TRN : 100298745900003

cvrl@cvrl.ae
www.cvrl.ae

GENERALLY USED ABBREVIATIONS

a/c = Account	dep = Deposit	Pr = Principal
adj = Adjustment	Dft = Draft	proc = Processing Charge
Arnt = Amount	dish/dsh = Dishonour	rd = Recurring Deposit
Ar = Arrear	DR = Debit	ret / r/n = Return
bal = Balance	DOB = Date of Birth	Rnd = Round of
Capn = Capitalization	eft = Electronic Fund Transfer	sb = Savings Bank
chg/ch = Charge	Inop = Inoperative	SC = Short Credit
chg = Cheque	ins = Insurance	SI/So/SORD = Standing Instruction
Clos = Closure	int/in = interest	S/D/W/H/o = Son/Daughter/Wife/Husband of
coll = Collection	lon / ln = Loan	t/tr/x/fer = Transfer
comm = Commission	min = Minimum	TT = Telegraphic Transfer
COR/CORR = Correction	os = Outstanding	txn = Transaction
CR = Credit	P & T = Postage & Telegram	W/dl = Withdrawal
cash = Cash	Pos = Point of sale	+MOD bal = total balance (SB + linked MOD a/c)

भारतीय स्टेट बैंक

Branch:  AREACODE
P. B. NO.

State Bank of India

Email: sbi.70454@sbi.co.in
Phone No.: 2850257
IFSC: SBIN0070454

Buss. Hrs: 10:00:00-1
MICR: 676002906

Name: MR. JAHFAR NALAKATH
S/D/H/o : MOHAMMED NALAKATH
CIF Number : 78749199276
Account No. : 39228318370
A/c Type : SBCHQ-NRE-PUB IND-ALL-INK
Address : P B NO 597 EFU/CENTRAL VET
RESEARCH LABORATORY
DUBAI U A E

MOP: SINGLE
A/c Opening Dt: 20/0
Nom Reg No:
Customer's PAN:
Date of Issue: 20/03
FIRST

Phone No. :
Email : jahfarnalakath@yahoo.co.in
D.O.B. (If Minor):
PPO Number :



शाखा प्रबन्धक
Branch Manager



भारतीय विशिष्ट पहचान प्राधिकरण

भारत सरकार

Unique Identification Authority of India
Government of India



E-Aadhaar Letter

പേരു ചേർക്കൽ നമ്പർ/Enrolment No.: 2007/99902/23982

വിവരങ്ങൾ

Date: 21/08/2013

Jahfar Nalakath (ജാഫർ നാലകത്ത്)
NALAKATH HOUSE, PUTHALAM AREACODE,
Areekode, Areacode, Malappuram
Kerala, 673639

- ആധാർ തിരിച്ചറിയലിനുള്ള രേഖയാണ്, പൗരത്വത്തിനുള്ളതല്ല.
- തിരിച്ചറിയൽ ഓൺലൈൻ വഴി ആധികാരികമാക്കുക.
- ഇതു കമ്പ്യൂട്ടർ ഉണ്ടാക്കിയ കത്താണ്.

നിങ്ങളുടെ ആധാർ നമ്പർ/Your Aadhaar No.:

6936 1445 2703

INFORMATION

- Aadhaar is proof of identity, not of citizenship.
- To establish identity, authenticate online.
- This is electronically generated letter.



ആധാർ - സാധാരണക്കാരന്റെ അവകാശം

Digitally signed by Sandeep Bhardwaj
Date: 21/08/2013

1947
1800 300 1947

help@uidai.gov.in

www.uidai.gov.in

- ആധാർ രാജ്യത്തുടനീളം അംഗീകാരമുള്ളതാകുന്നു
- ആധാർ ഒരു തവണ മാത്രം പേരുചേർക്കുക
- ദയവായി നിങ്ങളുടെ മൊബൈൽ നമ്പറും ഇമെയിൽ അഡ്രസ്സും പുതുക്കുക. ഇതു ഭാവിയിൽ വിവിധ തരം സേവനങ്ങൾ ലഭ്യമാക്കാൻ നിങ്ങളെ സഹായിക്കും

- Aadhaar is valid throughout the country.
- You need to enrol only once for Aadhaar.
- Please update your mobile number and e-mail address. This will help you to avail various services in future.

भारत सरकार
GOVERNMENT OF INDIA



ജാഫർ നാലകത്ത്
Jahfar Nalakath
ജനന വർഷം/YoB:1978
പുരുഷൻ Male



6936 1445 2703

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം

भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA



വിലാസം:
നാലകത്ത് ഹൗസ്,
പുത്തലം അരീക്കോട്,
അരീക്കോട്, അരീക്കോട്,
മലപ്പുറം
കേരളം, 673639

Address:
NALAKATH HOUSE,
PUTHALAM AREACODE,
Areekode, Areacode,
Malappuram
Kerala, 673639

Aadhaar - Aam Aadmi ka Adhikar

Self Attested
23/08/2013

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. JAFAR NALAKATH is employed as CHIEF ANALYST (Designation) in the CAMEL FORENSIC LABORATORY (Department/Division Name) of CENTRAL VETERINARY RESEARCH LABORATORY, (Institution/Industry Name).

We have no objection in forwarding his/her application for the Ph.D. Research Programme.

FOR FULL TIME:

The candidate will be sanctioned leave for the duration of the research programme and will be relieved from duty from _____ to _____ to undertake the full time research work in the University.

FOR PART TIME: ✓

The candidate will be permitted to undertake part time study in the University/College and will be allowed to be present for discussions with the supervisor, attending course works, conduct of experiments and participations in seminars and related presentations. Further the required facilities at our organization will also be provided to the candidate for doing research.

Date:

1/7/2020

Signature of the Head of Organization with office seal